



Form 1449 (Modified)

**Information Disclosure
Statement By Applicant**

(Use Several Sheets if Necessary)

Atty Docket No.

NC#82816/NPS1P001

Application No.:

40/020,719

Applicant:

BACHMAN et al.

Filing Date

October 30, 2001

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2857

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
TL	1	Kuipers, J., "Quaternions and Rotation Sequences", Princeton University Press, Inc. 1998
TL	2	McGhee, R., "Some Parameter-Optimization Techniques", Digital Computer User's Handbook, McGraw-Hill, pp.234-253, 1967
TL	3	McGhee, R., et al., "Real-Time Tracking and Display of Human Limb Segment Motions Using Sourceless Sensors and a Quaternion-Based Filtering Algorithm - Part I: Theory," MOVES Academic Group Technical Report, NPS-MV-01-001, Naval Postgraduate School, Monterey, CA 2000
TL	4	McGhee, R., et al., "An Investigation of Alternative Algorithms for Singularity-Free Estimation of Rigid Body Orientation from Earth Gravity and Magnetic Field Measurements," Ph.D. dissertation, Naval Post Graduate School, Monterey, CA 2001
TL	5	Bachmann, E., "Inertial and Magnetic Angle Tracking of Limb Segments for Inserting Humans into Synthetic Environments", Ph.D. dissertation, Naval Postgraduate School, Monterey, CA 2000
TL	6	U.S. Provisional Patent Application No. 60/246,215, filed October 30, 2000, entitled "Apparatus for real time tracking and display of the position and posture of a body using hybrid sourceless sensors, if positioning and a quaternion based complementary filtering algorithm"
Examiner <i>Cemybas</i>		Date Considered 8/1/03

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 2449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	NC#82816/NPS1P001	10/020,719
	Applicant:	
	BACHMAN et al.	
Filing Date	Group	
October 30, 2001	2857	

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
TL	1	4,559,713	12/24/1985	Ott et al.	33	302	12/6/1983
TL	2	5,684,396	11/04/1997	Aks et al.	324	207.13	3/5/1996
TL	3	6,163,021	12/19/2000	Mickelson	244	3.2	12/15/1998

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
TL	4	International Search Report, PCT- ISA/US, mailed 31 May 2002
Examiner	Date Considered	
	8/1/03	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.